Name of Work:Improvements to Roads and Drains at Attur village and Chithra layout surrounding areas in Ward No. 03

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)							
	RCC Drain							
	Chitra Layout							
	6th Cross Rd							
	LHS							
	Ch:0.00m to 30.0m **(Main Rd)**		1	30.00	1.20	1.00	36.00	
	Ch:30.0m to 60.0m		1	30.00	1.20	1.00	36.00	
	Ch:60.0m to 90.0m		1	30.00	1.20	1.00	36.00	
	Ch:90.0m to 105.8m		1	15.80	1.20	1.00	18.96	
	RHS							
	Ch:0m to 30.0m**(Dead End)**		1	30.00	1.20	1.00	36.00	
	Ch:30.0m to 33.4m		1	3.40	1.20	1.00	4.08	
	Ch:33.4m to 37.7m		1	4.30	1.20	1.00	5.16	
	Ch:37.7m to 67.7m		1	30.00	1.20	1.00	36.00	
	Ch:67.7m to 79.0m		1	11.30	1.20	1.00	13.56	
	Ch:79.0m to 92.5m		1	13.50	1.20	1.00	16.20	
	Ch:92.5m to 101.30m		1	8.80	1.20	1.00	10.56	
	5th Cross Rd							
	LHS							
	Ch:0.00m to 30.0m **(Main Rd)**		1	30.00	1.20	1.00	36.00	
	Ch:30.0m to 60.0m		1	30.00	1.20	1.00	36.00	
	Ch:60.0m to 70.8m		1	10.80	1.20	1.00	12.96	
	Culvert Gap							
	Ch70.8m to 75.5m		1	4.70	1.20	1.00	5.64	
	Ch:75.5m to 95.9m **NE**		1	20.40				
	RHS							
	Ch:0m to 27.4m**(Dead End)**		1	27.40	1.20	1.00	32.88	
	Ch:27.4m to 33.8m **NE**		1	6.40				
	Ch:33.8m to 63.8m		1	30.00	1.20	1.00	36.00	
	Ch:63.8m to 93.8m		1	30.00	1.20	1.00	36.00	
	Ch:93.8m to 114.8m		1	21.00	1.20	1.00	25.20	
	Main Rd							
	LHS							
	Ch: 0m to 29.6m		1	29.60	1.20	0.90	31.97	
	Culvert Gap							
	Ch:29.6m to 59.6m		1	30.00	1.20	1.00	36.00	
	Ch:59.6m to 64.1m		1	4.50	1.20	1.00	5.40	

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Ch:64.1m to 74.9m		1	10.80	1.20	1.00	12.96	
	Ch:74.9m to 91.5m		1	16.60	1.20	1.00	19.92	
	Ch:91.5m to 121.5m **NE**		1	30.00				
	Ch:121.5m to 128.9m **NE**		1	7.40				
	RHS							
	Ch:0m to30.0m		1	30.00	1.20	1.00	36.00	
	Ch:30.0m to 60.0m		1	30.00	1.20	1.00	36.00	
	Ch:60.0m to 70.9m		1	10.90	1.20	1.00	13.08	
	Rd Gap							
	Ch:70.9m to 89.4m		1	18.50	1.20	1.00	22.20	
	Culvert Gap							
	Ch:89.4m to119.4m		1	30.00	1.20	1.00	36.00	
	Ch:119.4m to 149.4m		1	30.00	1.20	1.00	36.00	
	Ch:149.4m to 150.8m		1	1.40	1.20	1.00	1.68	
	Cross Rd-1							
	LHS							
	Ch:0.00m to 10.9m		1	10.90	1.20	1.00	13.08	
	RHS							
	Ch:0.0m to 19.3m		1	19.30	1.20	1.00	23.16	
	4th Cross Rd							
	LHS							
	Ch:0.0m to 30.0m**(Main Rd)**		1	30.00	1.20	1.00	36.00	
	Ch:30.0m to 60.0m		1	30.00	1.20	1.00	36.00	
	Ch:60.0m to 64.8m		1	4.80	1.20	1.00	5.76	
	RHS							
	Ch:0.0m to 30.0m**(Dead End)**		1	30.00	1.20	1.00	36.00	
	Ch:30.0m to 60.0m		1	30.00	1.20	1.00	36.00	
	Ch:60.0m to 74.3m		1	14.30	1.20	1.00	17.16	
	3rd Cross Rd							
	LHS							
	Ch:0.0m to 15.4m**(Main Rd)**		1	15.40	1.20	1.00	18.48	
	Ch:15.4m to 24.6m		1	9.20	1.20	1.00	11.04	
	Ch:24.6m to 54.6m		1	30.00	1.20	1.00	36.00	
	Ch:54.6m to 79.2m		1	24.60	1.20	1.00	29.52	
	Ch:79.2m to 88.5m **NE**		1	9.30				
	Ch:88.5m to 97.8m		1	9.30	1.20	1.00	11.16	
	Ch:97.8m to 99.8m		1	2.00	1.20	1.00	2.40	
	Ch:99.8m to 129.8m		1	30.00	1.20	1.00	36.00	
	Ch:129.8m to 132.9m		1	3.10	1.20	1.00	3.72	
	Ch:132.9m to143.9m **NE**		1	11.00				
	Ch:143.9m to 152.4m		1	8.50	1.20	1.00	10.20	
	Ch:152.4m to 180.4m		1	28.00	1.20	1.00	33.60	
	RHS							
	Ch:0m to 19.8m**(Dead End)**		1	19.80	1.20	1.00	23.76	
	Rd Gap							
	Ch:0.00m to 49.8m		1	30.00	1.20	1.00	36.00	

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Ch:43.30m to 54.6m		1	4.80	1.20	1.00	5.76	
	Ch:72.10m to 84.60m		1	30.00	1.20	1.00	36.00	
	Ch:65.80m to 114.6m		1	30.00	1.20	1.00	36.00	
	Ch:65.80m to 144.6m		1	30.00	1.20	1.00	36.00	
	Ch:65.80m to 154.1m		1	9.50	1.20	1.00	11.40	
	Culvert							
	Main Rd		1	6.00	1.80	1.00	10.80	
	Main Rd		1	5.50	1.80	1.00	9.90	
	5th Cross Rd		1	8.70	1.80	1.00	15.66	
	Pulakeshinagar							
	6th Main Road							
			1	4.30	1.70	1.00	7.31	
			1	4.40	1.60	1.00	7.04	
			1	5.00	1.60	1.00	8.00	
						Present Qty	**1395.32**	**Cum**

Contractor

Assistant Engineer

25/9/2020

Asst. Executive Engineer,
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು - 64

25/09/2020

Name of Work:Improvements to Roads and Drains at Attur village and Chithra layout surrounding areas in Ward No. 03

Measurement Recorded On:

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications No. 222/ Item No. 27.18/ PWD SR 2018-19							
	RCC Drain							
	Chitra Layout							
	6th Cross Rd							
	LHS							
	Ch:0.00m to 30.0m **(Main Rd)**		1	30.00	1.20	0.15	5.40	
	Ch:30.0m to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch:60.0m to 90.0m		1	30.00	1.20	0.15	5.40	
	Ch:90.0m to 105.8m		1	15.80	1.20	0.15	2.84	
	RHS							
	Ch:0m to 30.0m**(Dead End)**		1	30.00	1.20	0.15	5.40	
	Ch:30.0m to 33.4m		1	3.40	1.20	0.15	0.61	
	Ch:33.4m to 37.7m		1	4.30	1.20	0.15	0.77	
	Ch:37.7m to 67.7m		1	30.00	1.20	0.15	5.40	
	Ch:67.7m to 79.0m		1	11.30	1.20	0.15	2.03	
	Ch:79.0m to 92.5m		1	13.50	1.20	0.15	2.43	
	Ch:92.5m to 101.30m		1	8.80	1.20	0.15	1.58	
	5th Cross Rd							
	LHS							
	Ch:0.00m to 30.0m **(Main Rd)**		1	30.00	1.20	0.15	5.40	
	Ch:30.0m to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch:60.0m to 70.8m		1	10.80	1.20	0.15	1.94	
	Culvert Gap							
	Ch70.8m to 75.5m		1	4.70	1.20	0.15	0.85	
	Ch:75.5m to 95.9m **NE**		1	20.40				
	RHS							
	Ch:0m to 27.4m**(Dead End)**		1	27.40	1.20	0.15	4.93	
	Ch:27.4m to 33.8m **NE**		1	6.40				
	Ch:33.8m to 63.8m		1	30.00	1.20	0.15	5.40	
	Ch:63.8m to 93.8m		1	30.00	1.20	0.15	5.40	
	Ch:93.8m to 114.8m		1	21.00	1.20	0.15	3.78	
	Main Rd							
	LHS							
	Ch: 0m to 29.6m		1	29.60	1.20	0.15	5.33	
	Culvert Gap							
	Ch:29.6m to 59.6m		1	30.00	1.20	0.15	5.40	
	Ch:59.6m to 64.1m		1	4.50	1.20	0.15	0.81	
	Ch:64.1m to 74.9m		1	10.80	1.20	0.15	1.94	

em No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:74.9m to 91.5m		1	16.60	1.20	0.15	2.99	
	Ch:91.5m to 121.5m **NE**		1	30.00				
	Ch:121.5m to 128.9m **NE**		1	7.40				
	RHS							
	Ch:0m to30.0m		1	30.00	1.20	0.15	5.40	
	Ch:30.0m to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch:60.0m to 70.9m		1	10.90	1.20	0.15	1.96	
	Rd Gap							
	Ch:70.9m to 89.4m		1	18.50	1.20	0.15	3.33	
	Culvert Gap							
	Ch:89.4m to119.4m		1	30.00	1.20	0.15	5.40	
	Ch:119.4m to 149.4m		1	30.00	1.20	0.15	5.40	
	Ch:149.4m to 150.8m		1	1.40	1.20	0.15	0.25	
	Cross Rd-1							
	LHS							
	Ch:0.00m to 10.9m		1	10.90	1.20	0.15	1.96	
	RHS							
	Ch:0.0m to 19.3m		1	19.30	1.20	0.15	3.47	
	4th Cross Rd							
	LHS							
	Ch:0.0m to 30.0m**(Main Rd)**		1	30.00	1.20	0.15	5.40	
	Ch:30.0m to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch:60.0m to 64.8m		1	4.80	1.20	0.15	0.86	
	RHS							
	Ch:0.0m to 30.0m**(Dead End)**		1	30.00	1.15	0.15	5.18	
	Ch:30.0m to 60.0m		1	30.00	1.15	0.15	5.18	
	Ch:60.0m to 74.3m		1	14.30	1.15	0.15	2.47	
	3rd Cross Rd							
	LHS							
	Ch:0.0m to 15.4m**(Main Rd)**		1	15.40	1.10	0.15	2.54	
	Ch:15.4m to 24.6m		1	9.20	1.10	0.15	1.52	
	Ch:24.6m to 54.6m		1	30.00	1.10	0.15	4.95	
	Ch:54.6m to 79.2m		1	24.60	1.10	0.15	4.06	
	Ch:79.2m to 88.5m **NE**		1	9.30				
	Ch:88.5m to 97.8m		1	9.30	1.10	0.15	1.53	
	Ch:97.8m to 99.8m		1	2.00	1.10	0.15	0.33	
	Ch:99.8m to 129.8m		1	30.00	1.10	0.15	4.95	
	Ch:129.8m to 132.9m		1	3.10	1.10	0.15	0.51	
	Ch:132.9m to143.9m **NE**		1	11.00				
	Ch:143.9m to 152.4m		1	8.50	1.10	0.15	1.40	
	Ch:152.4m to 180.4m		1	28.00	1.10	0.15	4.62	
	RHS							
	Ch:0m to 19.8m**(Dead End)**		1	19.80	1.10	0.15	3.27	
	Rd Gap							
	Ch:0.00m to 49.8m		1	30.00	1.10	0.15	4.95	
	Ch:43.30m to 54.6m		1	4.80	1.10	0.15	0.79	
	Ch:72.10m to 84.60m		1	30.00	1.10	0.15	4.95	
	Ch:65.80m to 114.6m		1	30.00	1.10	0.15	4.95	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:65.80m to 144.6m		1	30.00	1.10	0.15	4.95	
	Ch:65.80m to 154.1m		1	9.50	1.10	0.15	1.57	
	Culvert							
	Main Rd		1	6.00	1.80	0.15	1.62	
	Main Rd		1	5.50	1.80	0.15	1.49	
	5th Cross Rd		1	8.70	1.80	0.15	2.35	
	Pulakeshinagar							
	6th Main Road							
			1	4.30	1.60	0.15	1.03	
			1	4.40	1.60	0.15	1.06	
			1	5.00	1.60	0.15	1.20	
						Present Qty	**204.50**	**Cum**

Contractor

Assistant Engineer
22/9/2020

28/09/2020
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವಾರ್ಡ್ ಸಂ-----
Asst. Executive Engineer,
ಯಲಪಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು – 64

Name of Work: Improvements to Roads and Drains at Attur village and Chithra layout surrounding areas in Ward No. 03

Measurement Recorded On:

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
3	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 14/ Item No. 4.11/ PWD SR 2018-19							
	RCC Drain							
	Raft							
	Chitra Layout							
	6th Cross Rd							
	LHS							
	Ch:0.00m to 30.0m **(Main Rd)**		1	30.00	1.00	0.15	4.50	
	Ch:30.0m to 60.0m		1	30.00	1.00	0.15	4.50	
	Ch:60.0m to 90.0m		1	30.00	1.00	0.15	4.50	
	Ch:90.0m to 105.8m		1	15.80	1.00	0.15	2.37	
	RHS							
	Ch:0m to 30.0m**(Dead End)**		1	30.00	1.00	0.15	4.50	
	Ch:30.0m to 33.4m		1	3.40	1.00	0.15	0.51	
	Ch:33.4m to 37.7m		1	4.30	1.00	0.15	0.65	
	Ch:37.7m to 67.7m		1	30.00	1.00	0.15	4.50	
	Ch:67.7m to 79.0m		1	11.30	1.00	0.15	1.70	
	Ch:79.0m to 92.5m		1	13.50	1.00	0.15	2.03	
	Ch:92.5m to 101.30m		1	8.80	1.00	0.15	1.32	
	5th Cross Rd							
	LHS							
	Ch:0.00m to 30.0m **(Main Rd)**		1	30.00	1.00	0.15	4.50	
	Ch:30.0m to 60.0m		1	30.00	1.00	0.15	4.50	
	Ch:60.0m to 70.8m		1	10.80	1.00	0.15	1.62	
	Culvert Gap							
	Ch70.8m to 75.5m		1	4.70	1.00	0.15	0.71	
	Ch:75.5m to 95.9m **NE**		1	20.40				
	RHS							
	Ch:0m to 27.4m**(Dead End)**		1	27.40	1.00	0.15	4.11	
	Ch:27.4m to 33.8m **NE**		1	6.40				
	Ch:33.8m to 63.8m		1	30.00	1.00	0.15	4.50	
	Ch:63.8m to 93.8m		1	30.00	1.00	0.15	4.50	
	Ch:93.8m to 114.8m		1	21.00	1.00	0.15	3.15	
	Main Rd							
	LHS							

ಸಹಾಯಕ ಅಭಿಯಂತರರು, ವಾರ್ಡ್ ಸಂ—
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು – 64

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 0m to 29.6m							
	Culvert Gap		1	29.60	1.00	0.15	4.44	
	Ch:29.6m to 59.6m							
	Ch:59.6m to 64.1m		1	30.00	1.00	0.15	4.50	
	Ch:64.1m to 74.9m		1	4.50	1.00	0.15	0.68	
	Ch:74.9m to 91.5m		1	10.80	1.00	0.15	1.62	
	Ch:91.5m to 121.5m **NE**		1	16.60	1.00	0.15	2.49	
	Ch:121.5m to 128.9m **NE**		1	30.00				
	RHS		1	7.40				
	Ch:0m to30.0m							
	Ch:30.0m to 60.0m		1	30.00	1.00	0.15	4.50	
	Ch:60.0m to 70.9m		1	30.00	1.00	0.15	4.50	
	Rd Gap		1	10.90	1.00	0.15	1.64	
	Ch:70.9m to 89.4m							
	Culvert Gap		1	18.50	1.00	0.15	2.78	
	Ch:89.4m to119.4m							
	Ch:119.4m to 149.4m		1	30.00	1.00	0.15	4.50	
	Ch:149.4m to 150.8m		1	30.00	1.00	0.15	4.50	
	Cross Rd-1		1	1.40	1.00	0.15	0.21	
	LHS							
	Ch:0.00m to 10.9m		1	10.90	1.00	0.15	1.64	
	RHS							
	Ch:0.0m to 19.3m		1	19.30	1.00	0.15	2.90	
	4th Cross Rd							
	LHS							
	Ch:0.0m to 30.0m**(Main Rd)**		1	30.00	1.00	0.15	4.50	
	Ch:30.0m to 60.0m		1	30.00	1.00	0.15	4.50	
	Ch:60.0m to 64.8m		1	4.80	1.00	0.15	0.72	
	RHS							
	Ch:0.0m to 30.0m**(Dead End)**		1	30.00	1.00	0.15	4.50	
	Ch:30.0m to 60.0m		1	30.00	1.00	0.15	4.50	
	Ch:60.0m to 74.3m		1	14.30	1.00	0.15	2.15	
	3rd Cross Rd							
	LHS							
	Ch:0.0m to 15.4m**(Main Rd)**		1	15.40	1.00	0.15	2.31	
	Ch:15.4m to 24.6m		1	9.20	1.00	0.15	1.38	
	Ch:24.6m to 54.6m		1	30.00	1.00	0.15	4.50	
	Ch:54.6m to 79.2m		1	24.60	1.00	0.15	3.69	
	Ch:79.2m to 88.5m **NE**		1	9.30				
	Ch:88.5m to 97.8m		1	9.30	1.00	0.15	1.40	
	Ch:97.8m to 99.8m		1	2.00	1.00	0.15	0.30	
	Ch:99.8m to 129.8m		1	30.00	1.00	0.15	4.50	
	Ch:129.8m to 132.9m		1	3.10	1.00	0.15	0.47	
	Ch:132.9m to143.9m **NE**		1	11.00				
	Ch:143.9m to 152.4m		1	8.50	1.00	0.15	1.28	
	Ch:152.4m to 180.4m		1	28.00	1.00	0.15	4.20	
	RHS							

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Ch:0m to 19.8m**(Dead End)**		1	19.80	1.00	0.15	2.97	
Rd Gap							
Ch:0.00m to 49.8m		1	30.00	1.00	0.15	4.50	
Ch:43.30m to 54.6m		1	4.80	1.00	0.15	0.72	
Ch:72.10m to 84.60m		1	30.00	1.00	0.15	4.50	
Ch:65.80m to 114.6m		1	30.00	1.00	0.15	4.50	
Ch:65.80m to 144.6m		1	30.00	1.00	0.15	4.50	
Ch:65.80m to 154.1m		1	9.50	1.00	0.15	1.43	
Wall							
Chitra Layout							
6th Cross Rd							
LHS							
Ch:0.00m to 30.0m **(Main Rd)**		2	30.00	0.15	0.65	5.85	
Ch:30.0m to 60.0m		2	30.00	0.15	0.65	5.85	
Ch:60.0m to 90.0m		2	30.00	0.15	0.65	5.85	
Ch:90.0m to 105.8m		2	15.80	0.15	0.65	3.08	
RHS							
Ch:0m to 30.0m**(Dead End)**		2	30.00	0.15	0.65	5.85	
Ch:30.0m to 33.4m		2	3.40	0.15	0.65	0.66	
Ch:33.4m to 37.7m		2	4.30	0.15	0.65	0.84	
Ch:37.7m to 67.7m		2	30.00	0.15	0.65	5.85	
Ch:67.7m to 79.0m		2	11.30	0.15	0.65	2.20	
Ch:79.0m to 92.5m		2	13.50	0.15	0.65	2.63	
Ch:92.5m to 101.30m		2	8.80	0.15	0.65	1.72	
5th Cross Rd							
LHS							
Ch:0.00m to 30.0m **(Main Rd)**		2	30.00	0.15	0.65	5.85	
Ch:30.0m to 60.0m		2	30.00	0.15	0.65	5.85	
Ch:60.0m to 70.8m		2	10.80	0.15	0.65	2.11	
Culvert Gap							
Ch70.8m to 75.5m		2	4.70	0.15	0.65	0.92	
Ch:75.5m to 95.9m **NE**		2	20.40				
RHS							
Ch:0m to 27.4m**(Dead End)**		2	27.40	0.15	0.65	5.34	
Ch:27.4m to 33.8m **NE**		2	6.40				
Ch:33.8m to 63.8m		2	30.00	0.15	0.65	5.85	
Ch:63.8m to 93.8m		2	30.00	0.15	0.65	5.85	
Ch:93.8m to 114.8m		2	21.00	0.15	0.65	4.10	
Main Rd							
LHS							
Ch: 0m to 29.6m		2	29.60	0.15	0.60	5.33	
Culvert Gap							
Ch:29.6m to 59.6m		2	30.00	0.15	0.60	5.40	
Ch:59.6m to 64.1m		2	4.50	0.15	0.60	0.81	
Ch:64.1m to 74.9m		2	10.80	0.15	0.60	1.94	
Ch:74.9m to 91.5m		2	16.60	0.15	0.60	2.99	
Ch:91.5m to 121.5m **NE**		2	30.00				

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Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Ch:121.5m to 128.9m **NE**		2	7.40				
RHS							
Ch:0m to30.0m		2	30.00	0.15	0.60	5.40	
Ch:30.0m to 60.0m		2	30.00	0.15	0.60	5.40	
Ch:60.0m to 70.9m		2	10.90	0.15	0.60	1.96	
Rd Gap							
Ch:70.9m to 89.4m		2	18.50	0.15	0.60	3.33	
Culvert Gap							
Ch:89.4m to119.4m		2	30.00	0.15	0.60	5.40	
Ch:119.4m to 149.4m		2	30.00	0.15	0.60	5.40	
Ch:149.4m to 150.8m		2	1.40	0.15	0.60	0.25	
Cross Rd-1					0.60		
LHS							
Ch:0.00m to 10.9m		2	10.90	0.15	0.60	1.96	
RHS							
Ch:0.0m to 19.3m		2	19.30	0.15	0.60	3.47	
4th Cross Rd							
LHS							
Ch:0.0m to 30.0m**(Main Rd)**		2	30.00	0.15	0.60	5.40	
Ch:30.0m to 60.0m		2	30.00	0.15	0.60	5.40	
Ch:60.0m to 64.8m		2	4.80	0.15	0.60	0.86	
RHS							
Ch:0.0m to 30.0m**(Dead End)**		2	30.00	0.15	0.60	5.40	
Ch:30.0m to 60.0m		2	30.00	0.15	0.60	5.40	
Ch:60.0m to 74.3m		2	14.30	0.15	0.60	2.57	
3rd Cross Rd							
LHS							
Ch:0.0m to 15.4m**(Main Rd)**		2	15.40	0.15	0.60	2.77	
Ch:15.4m to 24.6m		2	9.20	0.15	0.60	1.66	
Ch:24.6m to 54.6m		2	30.00	0.15	0.60	5.40	
Ch:54.6m to 79.2m		2	24.60	0.15	0.60	4.43	
Ch:79.2m to 88.5m **NE**		2	9.30				
Ch:88.5m to 97.8m		2	9.30	0.15	0.60	1.67	
Ch:97.8m to 99.8m		2	2.00	0.15	0.60	0.36	
Ch:99.8m to 129.8m		2	30.00	0.15	0.60	5.40	
Ch:129.8m to 132.9m		2	3.10	0.15	0.60	0.56	
Ch:132.9m to143.9m **NE**		2	11.00				
Ch:143.9m to 152.4m		2	8.50	0.15	0.60	1.53	
Ch:152.4m to 180.4m		2	28.00	0.15	0.65	5.46	
RHS							
Ch:0m to 19.8m**(Dead End)**		2	19.80	0.15	0.60	3.56	
Rd Gap							
Ch:0.00m to 49.8m		2	30.00	0.15	0.60	5.40	
Ch:43.30m to 54.6m		2	4.80	0.15	0.60	0.86	
Ch:72.10m to 84.60m		2	30.00	0.15	0.60	5.40	
Ch:65.80m to 114.6m		2	30.00	0.15	0.60	5.40	
Ch:65.80m to 144.6m		2	30.00	0.15	0.60	5.40	

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ಯೋಜನಾ ಉಪನಗರ ಉಪವಿಭಾಗ,

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Ch:65.80m to 154.1m		2	9.50	0.15	0.60	1.71	
Culvert Raft							
Main Rd		1	6.00	1.50	0.23	2.07	
Main Rd		1	5.50	1.50	0.23	1.90	
5th Cross Rd		1	8.70	1.50	0.23	3.00	
Pulakeshinagar							
6th Main Road							
		1	4.30	1.30	0.23	1.29	
		1	4.40	1.30	0.23	1.32	
		1	5.00	1.30	0.23	1.50	
Culvert Wall							
Main Rd		2	6.00	0.23	0.60	1.66	
Main Rd		2	5.50	0.23	0.60	1.52	
5th Cross Rd		2	8.70	0.23	0.60	2.40	
Pulakeshinagar							
6th Main Road							
		2	4.30	0.23	0.60	1.19	
		2	4.40	0.23	0.60	1.21	
		2	5.00	0.23	0.60	1.38	
					Present Qty	395.25	Cum

Contractor

Assistant Engineer

6/10/2020

ಸಹಾಯಕ ಅಭಿಯಂತರರು, ವ್ಯಾಪ್ತಿ ಸಂಖ್ಯೆ
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು - 64

Asst. Executive Engineer,

Name of Work: **Improvements to Roads and Drains at Attur village and Chithra layout surrounding areas in Ward No. 03**

Measurement Recorded On:

Detailed Measurements

Description of Item		No	Length	Breadth	Depth	Qty	Unit
KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever							
RCC Drain							
Chitra Layout							
6th Cross Rd							
LHS (From Main Rd)							
Total Drain length=105.8m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1058Nos		1058	2.00		0.61	1290.76	
Distribution bar							
Distribution bar 10mm dia @ 140mm							
0.61kg/mtr		14	105.80		0.61	903.53	
RHS(From Dead end)							
Total Drain length=101.3m							
Main bar 10mm dia bar @ 125mm							
0.61kg/mtr							
No of U-bar=1013Nos		1013	2.00		0.61	1235.86	
Distribution bar							
Distribution bar 10mm dia @ 140mm							
0.61kg/mtr		14	101.30		0.61	865.10	
5th Cross Rd							
LHS							
Total Drain length=75.5m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=755Nos		755	2.00		0.61	921.10	
Distribution bar							
Distribution bar 10mm dia @ 140mm							
0.61kg/mtr		14	75.50		0.61	644.77	
RHS(From Dead end)							
Total Drain length=108.4m							
Main bar 10mm dia bar @ 125mm							
0.61kg/mtr							
No of U-bar=184Nos		1084	2.00		0.61	1322.48	
Distribution bar							
Distribution bar 10mm dia @ 140mm							
0.61kg/mtr		14	108.40		0.61	925.74	
Main Rd							
LHS							
Total Drain length=91.5m							

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು - 64

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=915Nos	915	2.00		0.61	1116.30	
	Distribution bar						
	Distribution bar 10mm dia @ 140mm						
	0.61kg/mtr	14	91.50		0.61	781.41	
	RHS(From Dead end)						
	Total Drain length=150.8m						
	Main bar 10mm dia bar @ 125mm						
	0.61kg/mtr						
	No of U-bar=184Nos	1508	2.00		0.61	1839.76	
	Distribution bar						
	Distribution bar 10mm dia @ 140mm						
	0.61kg/mtr	14	150.80		0.61	1287.83	
	Cross Rd-1						
	LHS						
	Total Drain length=10.9m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=915Nos	109	2.00		0.61	132.98	
	Distribution bar						
	Distribution bar 10mm dia @ 140mm						
	0.61kg/mtr	14	10.90		0.61	93.09	
	RHS						
	Total Drain length=19.3m						
	Main bar 10mm dia bar @ 125mm						
	0.61kg/mtr						
	No of U-bar=184Nos	193	2.00		0.61	235.46	
	Distribution bar						
	Distribution bar 10mm dia @ 140mm						
	0.61kg/mtr	14	19.30		0.61	164.82	
	4th Cross Rd						
	LHS						
	Total Drain length=64.8m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=915Nos	648	2.00		0.61	790.56	
	Distribution bar						
	Distribution bar 10mm dia @ 140mm						
	0.61kg/mtr	14	64.80		0.61	553.39	
	RHS						
	Total Drain length=74.3m						
	Main bar 10mm dia bar @ 125mm						
	0.61kg/mtr						
	No of U-bar=184Nos	743	2.00		0.61	906.46	
	Distribution bar						
	Distribution bar 10mm dia @ 140mm						

C&RC

ಮುಖ್ಯ ಅಭಿಯಂತರರು, ಮಾರ್ಜಾ ಸಂ-
ಯುಕ್ತಾಂತ ಉಪನಗರ ಯೋಜನೆ.
ಬಿಡಿಎ, ಬೆಂಗಳೂರು - 64

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
0.61kg/mtr		14	74.30		0.61	634.52	
3rd Cross Rd							
LHS							
Total Drain length=160.1m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1601Nos		1601	2.00		0.61	1953.22	
Distribution bar							
Distribution bar 10mm dia @ 140mm							
0.61kg/mtr		14	160.10		0.61	1367.25	
RHS							
Total Drain length=154.1m							
Main bar 10mm dia bar @ 100mm							
0.61kg/mtr							
No of U-bar=1541Nos		1541	2.00		0.61	1880.02	
Distribution bar							
Distribution bar 10mm dia @ 140mm							
0.61kg/mtr		14	154.10		0.61	1316.01	
Culvert							
Total Culvert length=33.9m							
Main bar 10mm dia bar @ 180mm							
0.61kg/mtr, Double mat							
No of U-bar=380Nos		380	2.40		0.61	556.32	
Distribution bar							
Distribution bar 10mm dia @ 180mm							
0.61kg/mtr, Double mat		26	33.90		0.61	537.65	
						24256.41	Kgs
						24.26	**Ton**

C & R

Contractor

Assistant Engineer

3/10/2020

3/10/2020

Asst. Executive Engineer,
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು – 64

Name of Work:Improvements to Roads and Drains at Attur village and Chithra layout surrounding areas in Ward No. 03

Detailed Measurements

Measurement Recorded On:

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)									
Vide Premeasurement Page no.						1395.32			
					Present Qty	**1395.32**	**Cum**	**224.97**	**313905.00**
KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per									
Vide Premeasurement Page no.						204.50			
					Present Qty	**204.50**	**Cum**	**5665.89**	**1158651.00**
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification									
Vide Premeasurement Page no.						395.25			
					Present Qty	**395.25**	**Cum**	**7388.36**	**2920255.00**
KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs									
Vide Premeasurement Page no.						24.26			
					Present Qty	**24.26**	**Ton**	**77321.89**	**1875830.00**

Contractor

Assistant Engineer

28/10/2020

Asst. Executive Engineer, ವಾರ್ಡ್ ನಂ-----
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು – 64

Name of Work: **Improvements to Roads and Drains at Attur village and Chithra layout surrounding areas in Ward No. 03**

Measurement Recorded On:

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of									
RCC Drain									
Chitra Layout									
6th Cross Rd									
LHS									
Ch:0.00m to 30.0m **(Main Rd)**		1	30.00	0.90		27.00			
Ch:30.0m to 60.0m		1	30.00	0.90		27.00			
Ch:60.0m to 90.0m		1	30.00	0.90		27.00			
Ch:90.0m to 105.8m		1	15.80	0.90		14.22			
RHS									
Ch:0m to 30.0m**(Dead End)**		1	30.00	0.90		27.00			
Ch:30.0m to 33.4m		1	3.40	0.90		3.06			
Ch:33.4m to 37.7m		1	4.30	0.00		0.00			
Ch:37.7m to 67.7m		1	30.00	0.90		27.00			
Ch:67.7m to 79.0m		1	11.30	0.90		10.17			
Ch:79.0m to 92.5m		1	13.50	0.00		0.00			
Ch:92.5m to 101.30m		1	8.80	0.90		7.92			
5th Cross Rd									
LHS									
Ch:0.00m to 30.0m **(Main Rd)**		1	30.00	0.90		27.00			
Ch:30.0m to 60.0m		1	30.00	0.90		27.00			
Ch:60.0m to 70.8m		1	10.80	0.90		9.72			
Culvert Gap		1	4.70	0.90		4.23			
Ch70.8m to 75.5m		1	28.40						
Ch:75.5m to 95.9m **NE**									
RHS		1	27.40	0.90		24.66			
Ch:0m to 27.4m**(Dead End)**		1	6.40						
Ch:27.4m to 33.8m **NE**		1	30.00	0.90		27.00			
Ch:33.8m to 63.8m		1	30.00	0.90		27.00			
Ch:63.8m to 93.8m		1	21.00	0.90		18.90			
Ch:93.8m to 114.8m									
Main Rd									
LHS		1	29.60	0.90		26.64			
Ch: 0m to 29.6m									
Culvert Gap		1	30.00	0.90		27.00			
Ch:29.6m to 59.6m		1	4.50	0.90		4.05			
Ch:59.6m to 64.1m		1	10.80	0.00		0.00			
Ch:64.1m to 74.9m		1	16.60	0.90		14.94			
Ch:74.9m to 91.5m		1	30.00						
Ch:91.5m to 121.5m **NE**		1	7.40						
Ch:121.5m to 128.9m **NE**									
RHS		1	30.00	0.90		27.00			
Ch:0m to30.0m									

ಸಹಾಯಕ ಅಭಿಯಂತರರು, ಪಾರ್ಟ್ ಸಂ----
ಸಹಾಯಕ ಅಭಿಯಂತರರ ಉಪವಿಭಾಗ,
ಬೊಮ್ಮನಹಳ್ಳಿ, ಬೆಂಗಳೂರು - 64

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:30.0m to 60.0m		1	30.00	0.90		27.00			
Ch:60.0m to 70.9m		1	10.90	0.90		9.81			
Rd Gap									
Ch:70.9m to 89.4m		1	18.50	0.90		16.65			
Culvert Gap									
Ch:89.4m to119.4m		1	30.00	0.90		27.00			
Ch:119.4m to 149.4m		1	30.00	0.90		27.00			
Ch:149.4m to 150.8m		1	1.40	0.90		1.26			
Cross Rd-1									
LHS									
Ch:0.00m to 10.9m		1	10.90	0.90		9.81			
RHS									
Ch:0.0m to 19.3m		1	19.30	0.90		17.37			
4th Cross Rd									
LHS									
Ch:0.0m to 30.0m**(Main Rd)**		1	30.00	0.90		27.00			
Ch:30.0m to 60.0m		1	30.00	0.90		27.00			
Ch:60.0m to 64.8m		1	4.80	0.90		4.32			
RHS									
Ch:0.0m to 30.0m**(Dead End)**		1	30.00	0.90		27.00			
Ch:30.0m to 60.0m		1	30.00	0.90		27.00			
Ch:60.0m to 74.3m		1	14.30	0.90		12.87			
3rd Cross Rd									
LHS									
Ch:0.0m to 15.4m**(Main Rd)**		1	15.40	0.90		13.86			
Ch:15.4m to 24.6m		1	9.20	0.00		0.00			
Ch:24.6m to 54.6m		1	30.00	0.90		27.00			
Ch:54.6m to 79.2m		1	24.60	0.90		22.14			
Ch:79.2m to 88.5m **NE**		1	9.30						
Ch:88.5m to 97.8m		1	9.30	0.90		8.37			
Ch:97.8m to 99.8m		1	2.00	0.00		0.00			
Ch:99.8m to 129.8m		1	30.00	0.90		27.00			
Ch:129.8m to 132.9m		1	3.10	0.90		2.79			
Ch:132.9m to143.9m **NE**		1	11.00						
Ch:143.9m to 152.4m		1	8.50	0.00		0.00			
Ch:152.4m to 180.4m		1	28.00	0.90		25.20			
RHS									
Ch:0m to 19.8m**(Dead End)**		1	19.80	0.90		17.82			
Rd Gap									
Ch:0.00m to 49.8m		1	30.00	0.90		27.00			
Ch:43.30m to 54.6m		1	4.80	0.90		4.32			
Ch:72.10m to 84.60m		1	30.00	0.90		27.00			
Ch:65.80m to 114.6m		1	30.00	0.90		27.00			
Ch:65.80m to 144.6m		1	30.00	0.90		27.00			
Ch:65.80m to 154.1m		1	9.50	0.90		8.55			
Missing/Damaged slabs									
Attur		6	0.60	0.90		3.24			
		11	0.60	0.90		5.94			
		18	0.60	0.90		9.72			

ಸಹಾಯಕ ಅಭಿಯಂತರರು, ವಾರ್ಡ್ ಸಂ----
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು – 64

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
		13	0.60	0.90		7.02			
		19	0.60	0.90		10.26			
Ananthapura									
		14	0.60	0.90		7.56			
		13	0.60	0.90		7.02			
		10	0.60	0.90		5.40			
		24	0.60	0.90		12.96			
		16	0.60	0.90		8.64			
		10	0.60	0.90		5.40			
		17	0.60	0.90		9.18			
Santoshnagara									
		10	0.60	0.90		5.40			
		6	0.60	0.90		3.24			
		10	0.60	0.90		5.40			
		15	0.60	0.90		8.10			
					Present Qty	**1076.13**	**Sqm**	**2442.17**	**2628093.00**

Contractor

Assistant Engineer

29.10.2020

29/10/2020

Asst. Executive Engineer(s), ವಾರ್ಡ್ ನಂ----
ಅನಂತಪುರ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು – 64

Name of Work: Improvements to Roads and Drains at Attur village and Chithra layout surrounding areas in Ward No. 03

Measurement Recorded On:

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of									
	Chikkadinne									
	Main Rd									
	Main Rd		1	6.00	1.50		9.00			
	5th Cross Rd		1	5.50	1.50		8.25			
	Pulakeshinagar		1	8.70	0.00		0.00			
	6th Main Road									
			1	4.30	1.20		5.16			
			1	4.40	1.20		5.28			
			1	5.00	1.20		6.00			
	Missing/Damaged slabs									
	Attur									
			3	0.60	1.20		2.16			
			2	0.60	1.20		1.44			
			4	0.60	1.20		2.88			
			4	0.60	1.20		2.88			
						Present Qty	**43.05**	**Sqm**	**5661.81**	**243741.00**
							Total			**9140475.00**
							GST 12%			**1096857.00**
							Grand Total			**10237332.00**

CAFE

03/11/2020

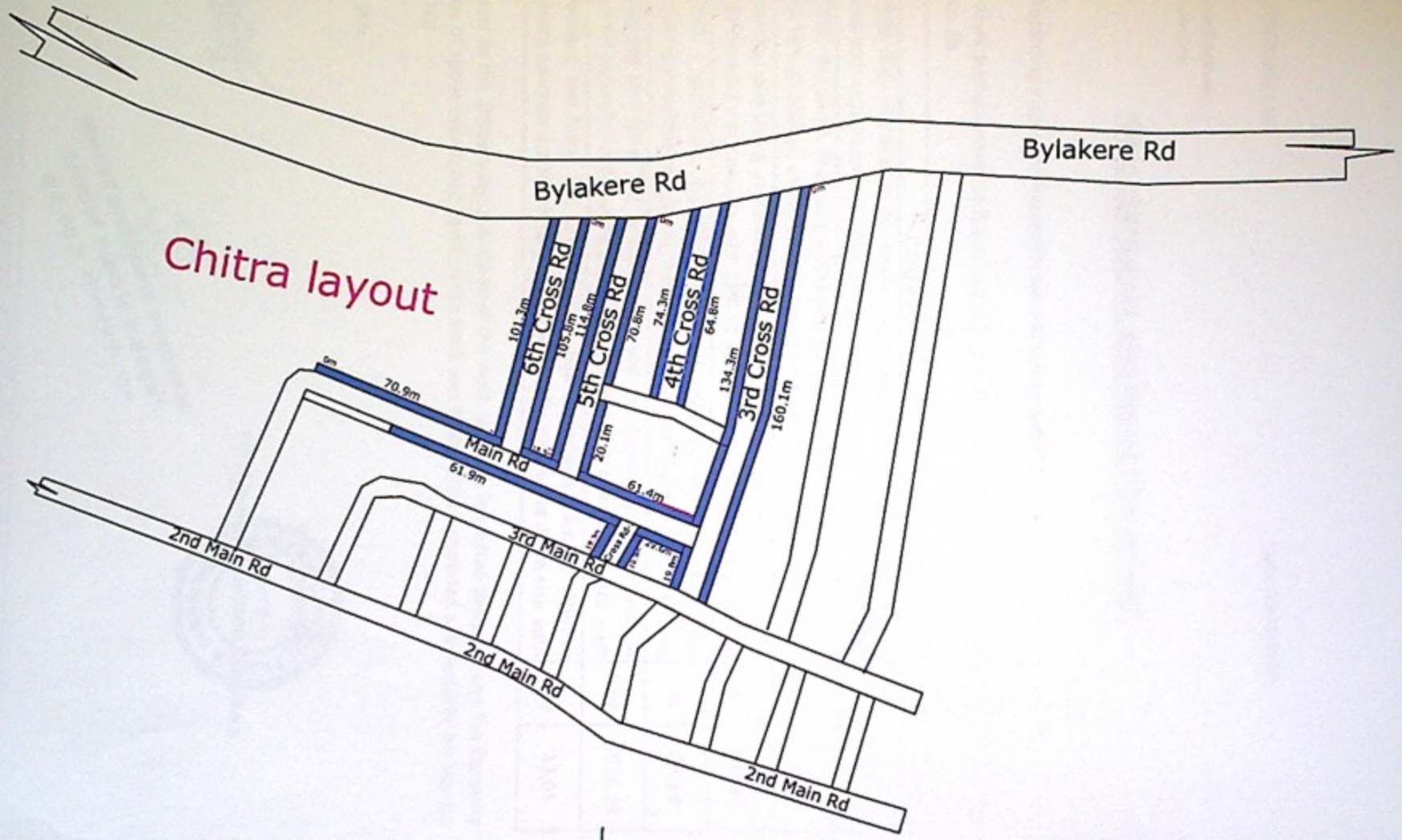
Contractor

Assistant Engineer

3/11/2020

Asst. Executive Engineer, ವಾರ್ಡ್ ಸಂ----
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು - 64

Name of Work:Improvements to Roads and Drains At Attur Village and Chitra Layout surrounding Area in Ward No-03



ENT: UHAT BANGALORE HANAGARA PALIKE	CONSULTANT:-	Assitante Engineer / Assistante Executive Engineer	Dwg Title:	scale; N.T.S Date Rev; RO

ಸಹಾಯಕ ಅಭಿಯಂತರರು/ಎಇಇ ಸಂ----
ಪುಲಿಕೇಶಿನಗರ ಉಪವಿಭಾಗ, - 64